

SEQUENCE LISTING

<110> Conklin, Darrell C.
Blumberg, Hal
Deisher, Theresa A.

<120> A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219C

<130> 97-64

<150> US 60/066,157

<151> 1997-11-19

<160> 19

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (222)...(889)

<400> 1

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gcacctgctg gaccacctcg ctttctccat cgaagcaggg aagtgggagc ctcgagccct	180
cgggtggaag ctgaccccaa gccacccttc acctggacag g atg aga gtg tca ggt	236
Met Arg Val Ser Gly	
1 5	
gtg ctt cgc ctc ctg gcc ctc atc ttt gcc ata gtc acg aca tgg atg	284
Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile Val Thr Thr Trp Met	
10 15 20	
ttt att cga agc tac atg agc ttc agc atg aaa acc atc cgt ctg cca	332
Phe Ile Arg Ser Tyr Met Ser Phe Ser Met Lys Thr Ile Arg Leu Pro	
25 30 35	
cgc tgg ctg gcc tcg ccc acc aag gag atc cag gtt aaa aag tac aag	380
Arg Trp Leu Ala Ser Pro Thr Lys Glu Ile Gln Val Lys Lys Tyr Lys	
40 45 50	


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cctcagccag gggcctgaag aagctcctgc ctgacttagg agtcagagcc cggcaggggc 969
tgaggaggag gagcaggggg tgctgcgtgg aagggtgctgc aggtccttgc acgctgtgtc 1029
gcgcctctcc tcctcggaag cagaaccctc ccacagcaca tcctacccgg aagaccagcc 1089
tcagaggggtc cttctggaac cagctgtctg tggagagaaat ggggtgcttt cgtcagggac 1149
tgctgacggc tggcctgag gaaggacaaa ctgcccagac ttgagcccaa ttaaatttta 1209
ttttgctgg ta 1221

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<210> 2
<211> 223
<212> PRT
<213> Homo sapiens

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<400> 2
Met Arg Val Ser Gly Val Leu Arg Leu Leu Ala Leu Ile Phe Ala Ile
1      5      10      15
Val Thr Thr Trp Met Phe Ile Arg Ser Tyr Met Ser Phe Ser Met Lys
20     25     30
Thr Ile Arg Leu Pro Arg Trp Leu Ala Ser Pro Thr Lys Glu Ile Gln
35     40     45
Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
50     55     60
Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
65     70     75     80
Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
85     90     95
Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
100    105    110
Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
115    120    125
Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
130    135    140
Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
145    150    155    160
Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg Asp
165    170    175
Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro Phe
180    185    190
Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly Trp
195    200    205
Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe
210    215    220

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<210> 3
<211> 3
<212> PRT

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<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 1

<400> 3

Phe Asp Met

1

<210> 4

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 2

<400> 4

Tyr Asp Asp

1

<210> 5

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 3

<400> 5

Leu Gly Ser

1

<210> 6

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Z219c polypeptide Motif 4

<400> 6

Trp Val Phe

1

<210> 7
 <211> 3
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Z219c polypeptide Motif 5

<400> 7
 Glu Gly Cys
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<210> 8
 <211> 669
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Degenerate polynucleotide sequence of z219c

<221> variation
 <222> (0)...(0)
 <223> N is any nucleotide

<400> 8
 atgmngntnw sngngntnyt nmgnynytn gcnytnatht tygcnathgt nacnacntgg 60
 atgttyathm gnwsntayat gwsnttywsn atgaaracna thmgnytncc nmngtggytn 120
 gcwnsnccna cnaargarat hcargtnaar aartayaart gyggnytnat haarccntgy 180
 ccngcnaayt ayttycntt yaarathtgy wsngngngcng cnaaygtngt nggncnccn 240
 atgtgyttyg argaymgnat gathatgwsn ccngtnaara ayaaygtngg nmngggnytn 300
 aayathgcny tngtnaaygg nacnacnggn gcngtynytn gncaraargc nttygayatg 360
 taywsngng aygtnatgca yytngtnaar ttyytnaarg arathccngg nggngcnytn 420
 gtynyngtn cnwsntayga ygayccnggn acnaaratga aygaygarws nmgnaarytn 480
 ttywsngayy tnggnwsnws ntaygcnaar carytnggnt tymngayws ntgggtntty 540
 athggngcna argayytnmg nggnaarwsn ccnttygarc arttyytnaa raaywsnccn 600
 gayacnaaya artaygargg ntggccngar ytnyngara tggarggntg yatgccnccn 660
 aarccntty 669

<210> 9
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer ZC694

<400> 9
taatacgact cactataggg 20

<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer ZC695

<400> 10
gatttaggtg acactatag 19

<210> 11
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer ZC13978

<400> 11
ggcggcccca ctgcagattt taaac 25

<210> 12
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer ZC15288

<400> 12
ttggctgggc agggcttgat gag 23

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer ZC14067

<400> 13
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<210> 14
 <211> 21
 <212> DNA
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<220>
 <223> Oligonucleotide primer ZC14068

<400> 14
 ccctgcccag ccaactactt t 21

<210> 15
 <211> 21
 <212> DNA
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<220>
 <223> Oligonucleotide primer ZC14869

<400> 15
 agcccagaca caaacaata c 21

<210> 16
 <211> 21
 <212> DNA
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<220>
 <223> Oligonucleotide primer ZC14868

<400> 16
 tgccgggctc tgactcctaa g 21

<210> 17
 <211> 115
 <212> PRT
 <213> Mus musculus

<400> 17
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<210> 18
<211> 230
<212> PRT
<213> Homo sapiens
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Gly	Phe	Pro	Arg	Ile	Gln	Gln	Leu 40	Phe	Thr	Ser	Pro	Glu 45	Ser	Ser	Val
Thr	Ala 50	Ala	Pro	Arg	Ala	Arg	Lys 55	Tyr	Lys	Cys	Gly 60	Leu	Pro	Gln	Pro
Cys 65	Pro	Glu	Glu	His 70	Leu	Ala	Phe	Arg	Val	Val 75	Ser	Gly	Ala	Ala	Asn 80
Val	Ile	Gly	Pro	Lys 85	Ile	Cys	Leu	Glu	Asp 90	Lys	Met	Leu	Met 95	Ser	Ser
Val	Lys	Asp	Asn 100	Val	Gly	Arg	Gly	Leu 105	Asn	Ile	Ala	Leu	Val 110	Asn	Gly
Val	Ser	Gly 115	Glu	Leu	Ile	Glu	Ala 120	Arg	Ala	Phe	Asp	Met 125	Trp	Ala	Gly
Asp 130	Val	Asn	Asp	Leu	Leu	Lys 135	Phe	Ile	Arg	Pro	Leu	His 140	Glu	Gly	Thr
Leu 145	Val	Phe	Val	Ala	Ser 150	Tyr	Asp	Asp	Pro	Ala 155	Thr	Lys	Met	Asn	Glu 160
Glu	Thr	Arg	Lys 165	Leu	Phe	Ser	Glu	Leu	Gly 170	Ser	Arg	Asn 175	Ala	Lys	Glu
Leu	Ala	Phe	Arg 180	Asp	Ser	Trp	Val	Phe 185	Val	Gly	Ala	Lys 190	Gly	Val	Gln

Asn Lys Ser Pro Phe Glu Gln His Val Lys Asn Ser Lys His Ser Asn
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 Lys Tyr Glu Gly Cys Pro Glu Ala Leu Glu Met Glu Gly Cys Ile Pro
 210 215 220
 Arg Arg Ser Thr Ala Ser
 225 230

<210> 19
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 19
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 Ala Ser Leu Gly Asn Leu Phe Ala Arg Ser Ala Leu Asp Thr Ala Ala
 35 40 45
 Arg Ser Thr Lys Pro Pro Arg Tyr Lys Cys Gly Ile Ser Lys Ala Cys
 50 55 60
 Pro Glu Lys His Phe Ala Phe Lys Met Ala Ser Gly Ala Ala Asn Val
 65 70 75 80
 Val Gly Pro Lys Ile Cys Leu Glu Asp Asn Val Leu Met Ser Gly Val
 85 90 95
 Lys Asn Asn Val Gly Arg Gly Ile Asn Val Ala Leu Ala Asn Gly Lys
 100 105 110
 Thr Gly Glu Val Leu Asp Thr Lys Tyr Phe Asp Met Trp Gly Gly Asp
 115 120 125
 Val Ala Pro Phe Ile Glu Phe Leu Lys Ala Ile Gln Asp Gly Thr Ile
 130 135 140
 Val Leu Met Gly Thr Tyr Asp Asp Gly Ala Thr Lys Leu Asn Asp Glu
 145 150 155 160
 Ala Arg Arg Leu Ile Ala Asp Leu Gly Ser Thr Ser Ile Thr Asn Leu
 165 170 175
 Gly Phe Arg Asp Asn Trp Val Phe Cys Gly Gly Lys Gly Ile Lys Thr
 180 185 190
 Lys Ser Pro Phe Glu Gln His Ile Lys Asn Asn Lys Asp Thr Asn Lys
 195 200 205
 Tyr Glu Gly Trp Pro Glu Val Val Glu Met Glu Gly Cys Ile Pro Gln
 210 215 220
 Lys Gln Asp
 225